

PTO/SB/81 (09-04)

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INDICATION FORM**

Application Number	09/940,512
Filing Date	August 29, 2001
First Named Inventor	Stuart T. Stanton
Title	PROJECTION ELECTRON BEAM LITHOGRAPHY...
Art Unit	2128
Examiner Name	N/A
Attorney Docket Number	STANTON 6

I hereby appoint:

Practitioners associated with the Customer
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47396

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Practitioner(s) named below:

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Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)**SIGNATURE of Applicant or Assignee of Record**

Signature		Date	11-5-01
Name	Ferdinand Romano	Telephone	(407) 371-3250
Title and Company	Corporate Counsel Agate Systems, Inc.		

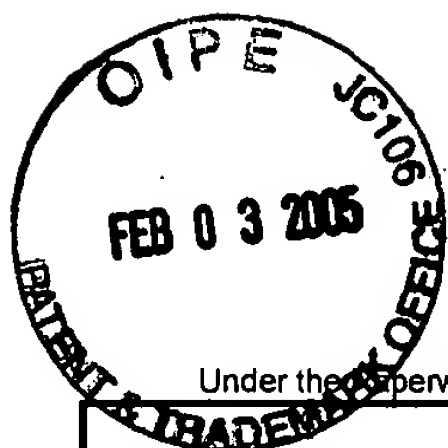
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.



*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Agere Systems Inc./Elith LLCApplication No./Patent No.: 09/940,512 Filed/Issue Date: August 29, 2001Entitled: PROJECTION ELECTRON BEAM LITHOGRAPHY APPARATUS AND METHOD EMPLOYING AN ESTIMATORAgere Systems Inc./Elith LLC, aa Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 013577, Frame 0126, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
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☐ Additional documents in the chain of title are listed on a supplemental sheet.☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

J. Joel Justiss
Signature

J. Joel Justiss

Printed or Typed Name

Attorney for Applicants

Title

January 31, 2005

Date

(972) 480-8800

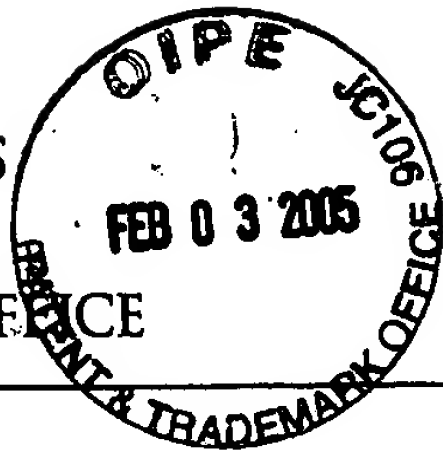
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This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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37310-000177/us

APRIL 18, 2003

PTAS

Under Secretary of Commerce For Intellectual Property and
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AGERE SYSTEMS INC.
DOCKET ADMINISTRATOR
4 CONNELL DRIVE
ROOM 4U-533C
BERKELEY HEIGHTS, NJ 07922-2747



102314992A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/16/2002

REEL/FRAME: 013577/0126
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
STANTON, STUART T.

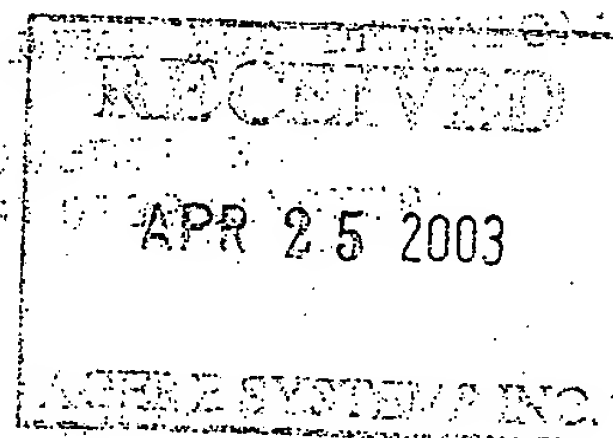
DOC DATE: 12/06/2002

ASSIGNEE:
AGERE SYSTEMS INC.
555 UNION BOULEVARD
ALLENTOWN, PENNSYLVANIA 18109

ASSIGNEE:
ELITH LLC
SUITE 105, MURRAY HILL OFFICE
CENTER
571 CENTRAL AVENUE
NEW PROVIDENCE, NEW JERSEY 07974

SERIAL NUMBER: 09940512
PATENT NUMBER:

FILING DATE: 08/29/2001
ISSUE DATE:



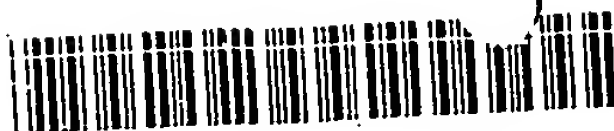
013577/0126 PAGE 2

PAULA MCCRAY, EXAMINER
ASSIGNMENT DIVISION
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12-19-2002

DEPARTMENT OF COMMERCE
Patent and Trademark Office

RECORDATION
PA1



102314992

To the Honorable Commissioner of Patents and Trademarks
Office of Public Records

See attached original documents or copy thereof.

1. Name of conveying party(ies):
Stuart T. Stanton
2002 DEC 16 AM 11:07
FINANCE SECTION
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No 12-16-02
3. Nature of conveyance:
☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other
Execution Date: Dec. 6, 2002

2. Name and address of receiving party(ies):
Name: 1. Agere Systems Inc.
2. eLith LLC
Internal Address: _____
Street Address: 1. 555 Union Boulevard
City: Allentown State: PA Zip: 18109 USA
Street Address: 2. Suite 105, Murray Hill Office Center, 571 Central Avenue
City: New Providence, NJ 07974 USA
Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is
A. Patent Application No.(s) 09/940,512 Filed on Aug. 29, 2001 B. Patent No. (s)
Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Docket Administrator
Agere Systems Inc.
Internal Address: Room 4U-533C
Street Address: 4 Connell Drive
City: Berkeley Heights,
State: New Jersey, Zip: 07922-2747

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41) \$ \$40.00
☐ Enclosed
☒ Authorized to be charged to deposit account
8. Deposit account number: 50-1735
(Attach duplicate copy of this page if paying by deposit account)

12/18/2002 TDIAZ1 00000118 501735 09940512 DO NOT USE THIS SPACE
01 FC-0021 40.00 CH

9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.
Richard J. Botos
Name of Person Signing
Signature
Date 12/10/02
Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box A
Washington, D. C. 20231

S. T. Stanton 6

Assignments must be deposited with the United States Postal Service in first class mail in an envelope addressed to:
Asst. Commissioner of Patents and Trademarks,
Washington, D.C. 20231, on Dec. 10, 2002

(Date of Deposit)
Date

ASSIGNMENT AND AGREEMENT

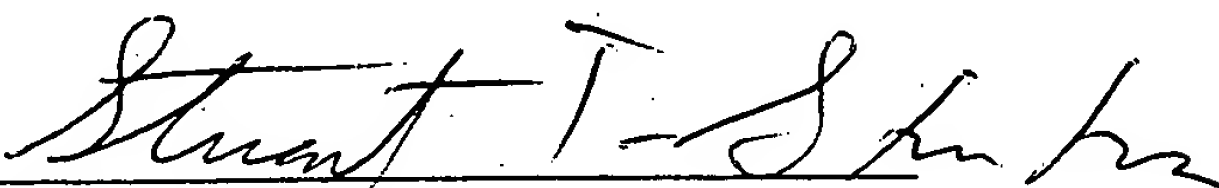
For value received, I, Stuart T. Stanton, of Bridgewater in the County of Somerset and the State of New Jersey, hereby sell, assign and transfer to Agere Systems Inc., a corporation of the State of Delaware, having an office at 555 Union Boulevard, Allentown, Pennsylvania 18109, U.S.A. and to eLith LLC, a limited liability company having a place of business at Suite 105, Murray Hill Office Center, 571 Central Avenue, New Providence, New Jersey 07974, U.S.A. and their successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **Projection Electron Beam Lithography Apparatus And Method Employing A Kalman Filter** described in an application for Letters Patent of the United States, Serial No. 09/940512, filed August 29, 2001, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and I also concurrently hereby sell, assign and transfer to Agere Systems Inc. and eLith LLC the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

I authorize Agere Systems Inc. and eLith LLC to make application for such protection in their own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Agere Systems Inc. and eLith LLC to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I request that any and all patents for said inventions be issued to Agere Systems Inc. and eLith LLC in the United States and in all countries foreign to the United States, or to such nominees as Agere Systems Inc. and eLith LLC may designate.

I agree that, when requested, I shall, without charge to Agere Systems Inc. and eLith LLC but at their expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.


Stuart T. Stanton

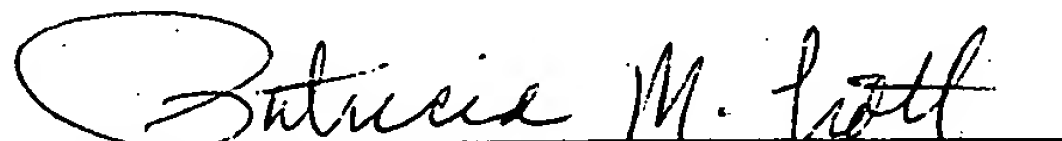
Date: 12/6/02

United States of America)

State of New Jersey) ss.:

County of Union)

On this 6th day of December, 2002, before me personally came, Stuart T. Stanton to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

PATRICIA M. LOTT
NOTARY PUBLIC OF NEW JERSEY
Registered In Somerset County
My Commission Expires March 24, 2003

Agere Systems Inc.
4 Connell Drive, Room 4U-533C
Berkeley Heights, NJ 07922